

3M & Wisconsin DNR

3



GREEN TIER

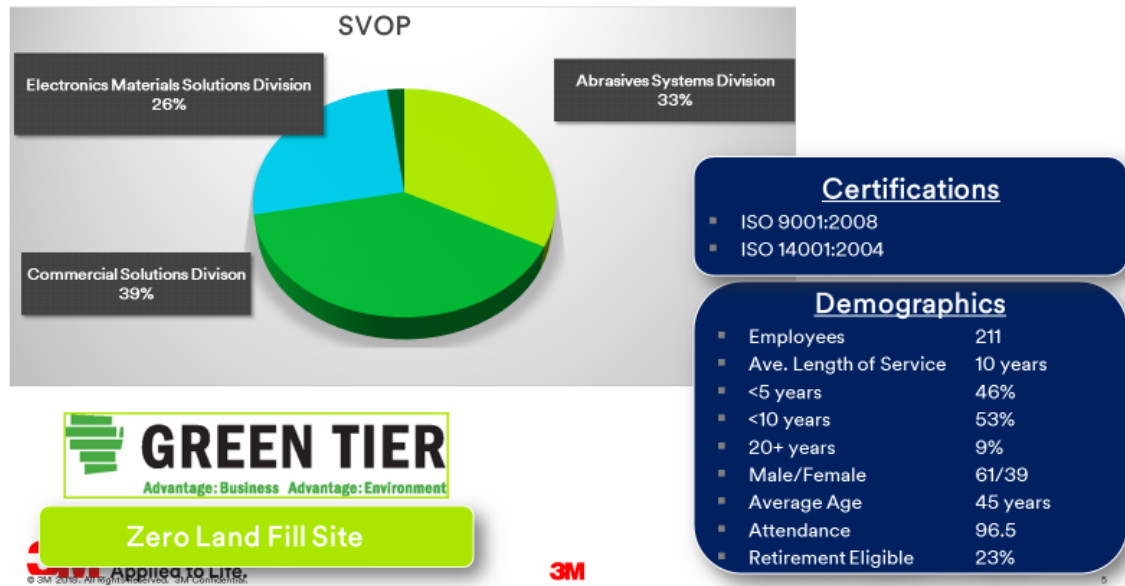
Advantage: Business Advantage: Environment

3M Science.
Applied to Life.™

**Cumberland – A great place
to Live, Work, and Play**



Cumberland Site Information



Cumberland – Product Portfolio

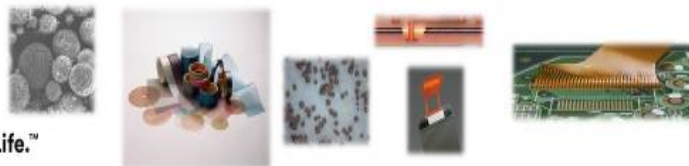
Abrasives Systems Division: (Flex diamond, Diamond Cloth, Micro Finishing Film (MFF), Braze, Tool Repair)



Commercial Solutions Division: (Floor pads, Doodlebugs, Handpads)



Electronics Materials Solutions Division: (Lapping Films, Diamond Agglomerates, Capacitor Films, Trizact Diamond Tile, Conductive Adhesives)

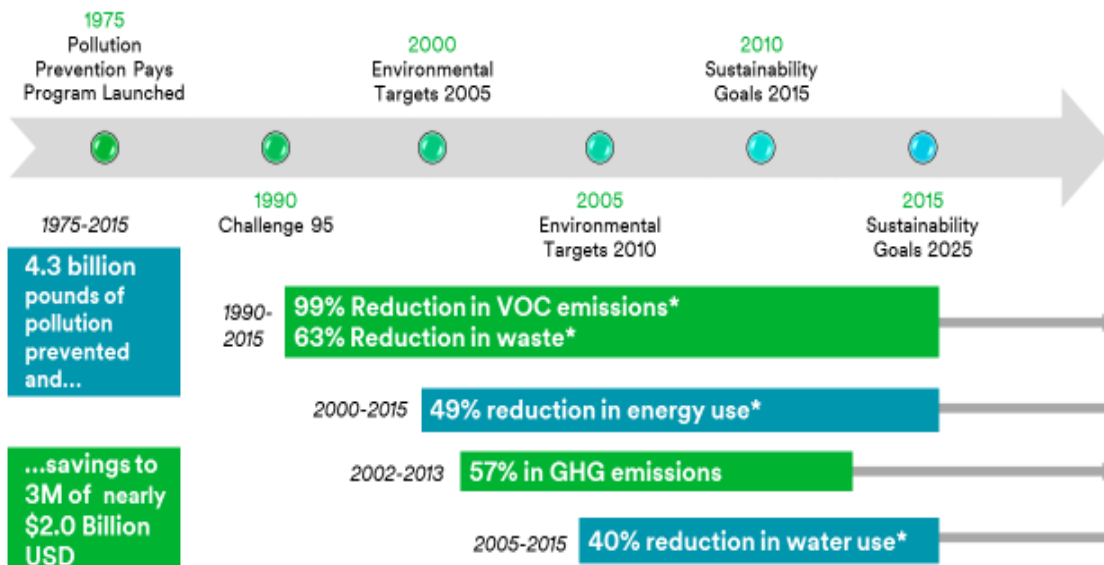


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Sustainability at 3M



Our sustainability journey



2025 Sustainability Goals Program Overview



Raw Materials



Water



Energy & Climate



Health & Safety



Education & Development

Our commitments and goals reflect our focus on helping to overcome these global challenges.

The 2025 Sustainability Goals program includes ten year goals from 2015-2025, using 2015 as the reduction baseline. It builds upon a long 3M history of voluntary environmental goals beginning in 1990. These goals continue to expand with each program and cover all three aspects of Sustainability (Environmental, Social and Economic). The 2025 Sustainability Goals were approved by the Corporate Operating Committee in April of 2015, and are based on [3M's Sustainability Principles](#).

3M 2025 Sustainability Goals 2015 is Baseline Year

Customers

- Invest to develop more sustainable materials and products to help our customers reach their environmental goals
- Help our customers reduce their GHGs by 250 million tons of CO₂ equivalent emissions through use of 3M products
- Provide training to 5 million people on worker/patient safety

Operations

Waste

- Reduce manufacturing waste by an additional 10%, indexed to sales
- Achieve "zero landfill" status at more than 30% of manufacturing sites

Energy

- Improve energy efficiency indexed to net sales by 30%
- Ensure GHG emissions at least 50% below our 2002 baseline, while growing our business
- Increase renewable energy to 25% of total electricity use

Water

- Reduce global water use by 10%, indexed to sales
- Engage 100% of water-stressed/scarce communities where 3M manufactures on community-wide approaches to water management

Suppliers

- Drive supply chain Sustainability through targeted raw material traceability and supplier performance assurance

Education & Development

- Invest cash and products for education, community and environmental programs
- 100% participation in employee development programs to advance individual and organizational capabilities
- Double the pipeline of diverse talent in management to build a diverse workforce

Goals: Sustainability Goals for 2025

2025 External Goal	2020 Interim Internal Targets	Internal Scope	Comments
Reduce Manufacturing Waste by 10%, indexed to net sales	Reduce Manufacturing Waste by 10%, indexed to product output 2015-2020	All Mfg. sites over 10,000 lbs of output per year or deemed in scope by Env. Opns due to types of processes	Scope to include Landfill and Treatment/Incineration only. Waste-to-Energy is NOT included as waste for this metric.
	Secondary Internal Waste Goal: Increase % of Good Output 2015-2020	Same as above.	Metric is similar to the former % Raw Material Utilization metric, but VOCs Before Control are no longer included.
Achieve "Zero Landfill" Status at 30% of manufacturing sites	Not applicable		EO will partner with Business Divisions and 3M Supply Chain Operations to identify and work with sites to achieve and maintain "Zero Landfill" status. EO will track and validate progress for external communication relative to our 2025 goal.
Reduce Global Water Use by 10%, indexed to net sales	Reduce Global Water use by 10%, indexed to product output 2015-2020	All Mfg. sites over 10,000 lbs of output per year and: Use 1,000 cubic meters or more of water per year OR Are located in a region with an Extremely High Baseline Water Stress rating	
Improve Energy Efficiency by 30%, indexed to net sales	Improve Energy Efficiency by 30%, indexed to product output	All Mfg. sites over 10,000 lbs of output per year and all other sites over 30,000 square feet.	Energy usage continues to be managed by the Corporate Energy Management Department and tracked in the SEDS database.
Ensure GHG Emissions at least 50% below our 2002 baseline, while growing our business	Not applicable		Data is managed at a corporate level by the Environmental Laboratory.

For 2016, under 3M's (3P) program the 3M Cumberland facility facility has :

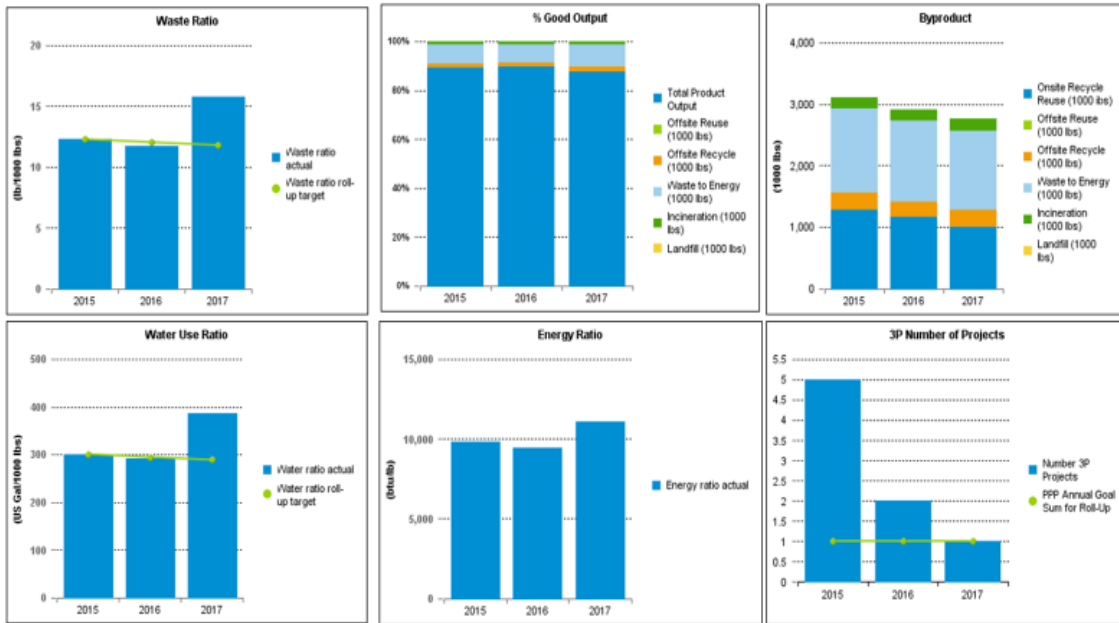
Saved approximately \$210,000

Prevented approximately 2 tons of solid waste



3M Cumberland 2020 Sustainability Metrics

Cumberland



3M Cumberland 2016 3P Projects

Energy Cost reduction Projects

2017 Completed Projects

	Annual Savings After Expenses	Annual Energy Savings
Front Office Heat Upgrade	\$ 42,500	1,550,000 KwHr
Interior LED Lighting phase 1	\$ 17,050	87,048 KwHr
Oven Fan Drives	\$ 3,960	44,011 KwHr

Projects Identified for 2018

Warehouse Occupancy Lighting	\$ 30,000
Parking Lot LED Lighting	\$ 40,000
Interior LED Lighting phase 2	\$ 20,000
Vacuum Furnace Exhaust Setback	\$ 5,000



Social Responsibility

3M Cumberland 2017 Community Support			
Wisconsin Community Relations Council Funds		Supplies For Schools (K-12) - 2017	
3M Funds allocated to Wisconsin (Cumberland's portion)		3M Products - several pallets to each school	
Red Cedar Symphony	\$ 3,000.00	1	Cumberland Elementary School
University Wisconsin - Barron County (Science Saturday)	\$ 2,500.00	2	Cumberland Middle School
Cumberland Schools Academic Excellence, Inc.			
Kinship of Cumberland & Turtle Lake - Men			
Ice Age Trail Alliance			
NOW - Nutrition on Weekends - program			
Ingenuity Grants			
3M Funds allocated to area schools			
Students taking (micro) control - Rice Lake			
Cumberland - Community Giving Campaign			
Cumberland United Fund			
Additional Sponsorship			
Sponsorship in the form of money (Plant E			
Cumberland Education Foundation - Light a			
Aviation Club			
Cumberland Youth Basketball	\$ 100.00		

Giving Summary

Monetary Gifts to Community **\$45,976**
Product Gifts to Community

- Schools
- Boys and Girls Club, Heart Island Center
- Benjamin's house, Cumberland Fire and Police

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VOLUNTEER MATCH

Reminder: Deadline is Feb 28!

- If you volunteered 20 or more hours at a qualifying non-profit or school in 2017, that organization is eligible to receive a \$250 matching grant from 3M.

NEW FOR 2018 - 3M is doubling the grant amount to \$500!

- 3Mers who volunteer at least 25 hours in a year at a qualifying school or non-profit organization will be eligible for the match

2017 - 3M Cumberland Volunteer Match

Active	9	807	\$2,250
Retiree	4	261	\$1,000
Totals	13	1,068	\$3,250

ORGANIZATIONS - 2017

ALMENA FIRE DISTRICT
BOY SCOUTS OF AMERICA - CHIPPEWA VALLEY COUNCIL
Cumberland ETO (Enrichment Through Culture)
Cumberland Fire District
Cumberland Memorial Hospital
ICE AGE TRAIL ALLIANCE, INC- SUPERIOR LOBE CHAPTER
Kinship of Cumberland, Inc.
RED CEDAR DUCKS UNLIMITED
RICE LAKE MUSIC BOOSTERS
ST. JOSEPH SCHOOL

INTERESTED PARTIES GROUP

3M Cumberland has made efforts to engage the community with the facility operations by inviting community members and government officials to the Cumberland Facility for outreach meetings on an annual basis.

March 2018 Meeting



Barry Rose -Cumberland Schools Superintendent
Kevin Becker -3M Cumberland Engineering
Keith Seelig -3M Cumberland EHS
Jeff Walsh -3M Cumberland Interim Plant Manger
Rick Rieper -Cumberland Chief of Police
Bert Skinner -City of Cumberland Mayor
Gabby Zappia -3M Corporate Environmental Operations
Courtney Barnes -3M Process Engineer
Sonny Zentner -WDNR Green Tier

ISO CERTIFICATION REPORT (For full report, see attached PDF)